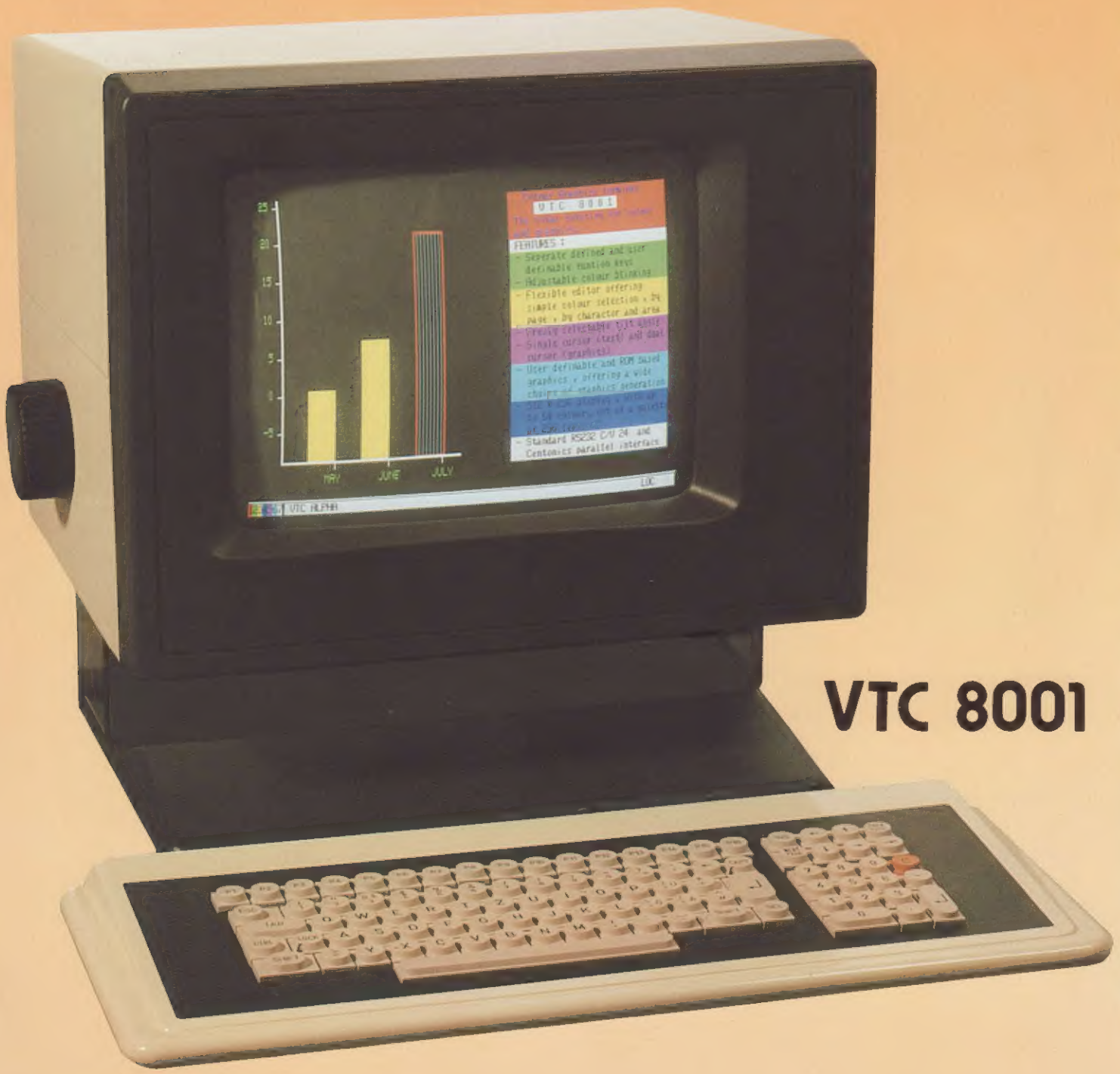
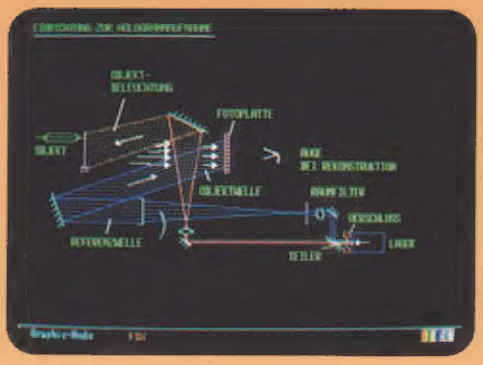
THE NEW DISPLAY GENERATION:

DATA TERMINAL + GRAPHICS + COLOUR



VTC 8001



THE TOTAL SOLU

Mankind is seeking perfection in the transparent presentation of complex data and formats, using many display techniques in order to achieve the optimum presentation.

DATAGRAPH has developed the VTC 8001 range as a solution to this problem. The new terminals, from one of Europe's leaders in enhanced colour video techniques, offers a reliable and economic means of presenting text, pictures and graphics.

The product of a well established west german manufacturing company, the unit has the design quality and attention to ergonomic considerations expected from a European manufacterer.

COLOUR GRAPHICS TERMINAL
VTC 8001

Features

14 inch colour display.
Freely selectable tilt angle.
Ultra low profile tele-flex connected keyboard.
Freely adjustable audible alarm.
User definable keyboard.
Flexible editor offering simple colour selection, by page, by character or by area.
Adjustable colour blink.
Single cursor (text) and dual cursor (graphics).
Seperate defined and user definable function keys.

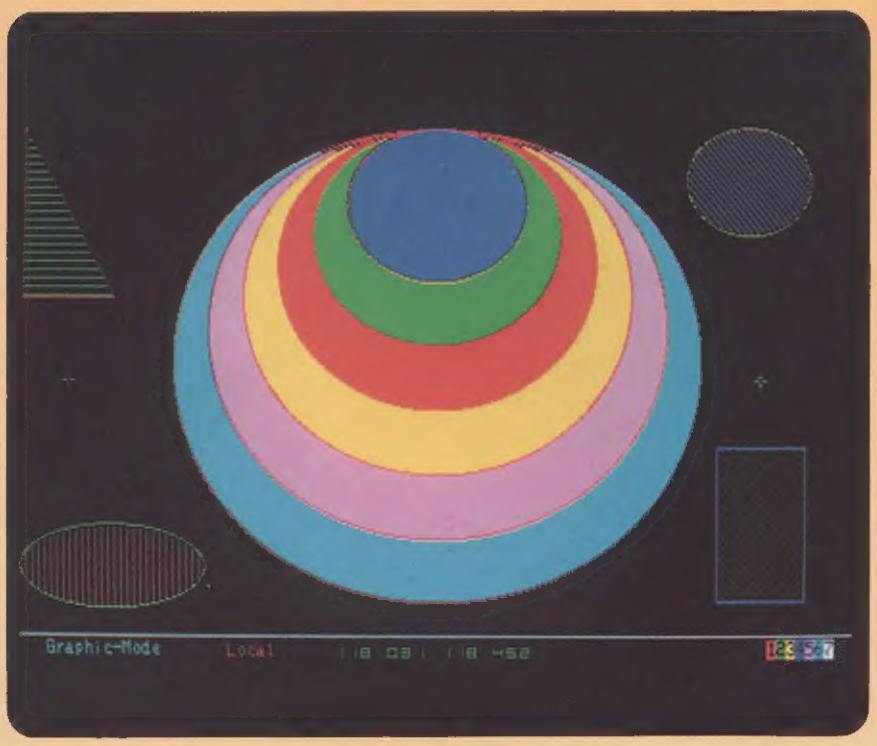
Technical aspects

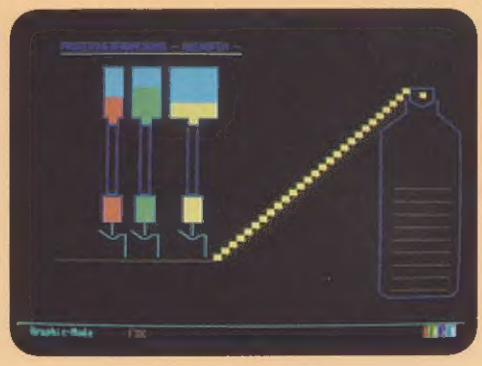
16 bit microprocessor.
On board rom editor
User definable and rom based graphics, offering a wide choice of graphics generation.
512 x 256 display.
8 colours on VTC 8000.
8 colours from 256 for VTC 8001.

UTION FOR COLOUR AND GRAPHICS.

Emulation with synchronous and asynchronous terminals.
Ansi X3.64 compatibility.
Standard RS232 C/V24 interface.
Centronics parallel interface on VTC 8001.

Additional graphic planes (option on VTC 8001).
Optional tracker ball and digitiser tablet for VTC 8001.





The screen displays shown above can be generated using the following commands:

To start the graphic commands set CTRL, P15.
The status line shows the operating mode, the coordinates of both cursors shown left and right, and the selectable colour codes.

For plotting of **circle** and **ellipse** cursor 1 is defined as the centre and cursor 2 is defined a) as the radius of the circle or b) as half the length of the major axis of the ellipse.

plot circle: 0 K plot ellipse: 2 K

For plotting a **rectangle** cursor 1 and cursor 2 are positioned so as to define the length diagonal across opposite corners.

Commands: plot rectangle: 0 R delete rectangle: 1 R

The vector generating is used for the display **triangles.**
Startpoint of the vector is the position of cursor 1, which is determined with the command: 0 V. Endpoint of the vector are the coordinates x, y.

Commands: plot vector: 3; y; x V delete vector: 4; y; x V

The right-angled legs can be displayed too with the command to cursor 1:2 P.

To **colour infill** the enclosed areas define the colour of the boundary line m and the intended filling colour s (according to the colour code of the status line). Command: m; s f

FEATURES:

Monitor:
- 14" high resolution colour monitor
- refresh 60 Hz, noninterlaced
- intensity/contrast and volume control
- free adjustable viewing angle

Video Memory:
- 16 bit Microprocessor
- 512 x 256 pixels
- up to 64 colours out of a palette of 256 (option)
- up to 3 graphic overlay planes (option)
- 24 lines of 80 characters each
- 25th line as statusline
- characters: 5 x 8 dot matrix in a 6 x 10 field
- double high and double wide character size
- upper and lower case with descender; total 95 ASC II-symbols displayable
- inverse display
- cursor: blinking or steady block character

Keyboard:
- detachable, low profile
- numeric pad, EDIT-functionkeys, cursor-controllkeys
- 16 additional function keys
- keyclick, bell
- auto-repeat

Terminal-functions:
- all functions available from keyboard and host computer
- full addressable cursor operations
- tabulator: field and column-tabs set/clear, tab/backtab
- protected areas
- character/line insert/delete
- delete to end of line/page

Host Interface
- RS-232C/V.24 and TTY (20 mA current loop)
- serial asynchronous
- Baudrates: 75–19 200, keyboard selectable
- Transmit and Receive adjustable independently
- Stopbits and Parity (No, Even, Odd) keyboard selectable
- half and full duplex, online/offline
- XON/XOFF protocol and RTS/CTS-handshaking
- single (conversation) and block transmission (line/page)

Printer-Interface
- serial interface as specifications above
- parallel interface, Centronics-compatible

Graphic functions:
- all functions keyboard and host computer available
- 2 crosshair-cursor, addressable absolute and relative, controllable through cursor controllkeys
- vector draw/delete with absolute coordinates or according to cursor 1
- draw/delete circles with absolute coordinates or according to cursor, arcs and sectors of circles
- draw/delete single dots, with absolute coordinates or through cursor controllkeys
- filling and hatching of any closed area
- vertical and horizontal translation
- colours freely selectable
- display of cursor coordinates (can be disabled)
- option: Tektronix 4012-emulation
- further commands for easy generating of bar charts and systems of coordinates
- option: hardcopy on dotmatrix printer/plotter

General features:

50/60 Hz, 110/230 V AC.
non-operating temperature:
–40 °C to + 65 °C.
operating temperature:
+ 10 °C to + 40 °C.
humidity: 0 – 70 % operating.
0 – 95 % non-operating, not condensing
dimensions: ca. 45 x 45 x 44 cm
(W x H x D), without keyboard.
Weight: terminal 22,8 kg
Keyboard: 2,4 kg

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